



## SEQUENCE LISTING

&lt;110&gt; Mount Sinai School of Medicine of NYU

<120> TRP8, A TRANSIENT RECEPTOR POTENTIAL  
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&lt;140&gt; 09/834,792

&lt;141&gt; 2001-04-13

&lt;150&gt; 60/197,491

&lt;151&gt; 2000-04-17

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&lt;170&gt; FastSEQ for Windows Version 4.0

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&lt;212&gt; DNA

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Gly	Gly	Ile	Ala	Asp	Val	Leu	Ala	Ala	Leu	Val	Asn	Gln	Pro	His	Leu		
		260						265					270				
Leu	Val	Pro	Lys	Val	Ala	Glu	Lys	Gln	Phe	Lys	Glu	Lys	Phe	Pro	Ser		
	275						280					285					
Lys	His	Phe	Ser	Trp	Glu	Asp	Ile	Val	Arg	Trp	Thr	Lys	Leu	Leu	Gln		
	290					295					300						
Asn	Ile	Thr	Ser	His	Gln	His	Leu	Leu	Thr	Val	Tyr	Asp	Phe	Glu	Gln		
305					310					315					320		
Glu	Gly	Ser	Glu	Glu	Leu	Asp	Thr	Val	Ile	Leu	Lys	Ala	Leu	Val	Lys		
			325						330					335			
Ala	Cys	Lys	Ser	His	Ser	Gln	Glu	Pro	Gln	Asp	Tyr	Leu	Asp	Glu	Leu		
			340					345					350				
Lys	Leu	Ala	Val	Ala	Trp	Asp	Arg	Val	Asp	Ile	Ala	Lys	Ser	Glu	Ile		
	355						360					365					
Phe	Asn	Gly	Asp	Val	Glu	Trp	Lys	Ser	Cys	Asp	Leu	Glu	Glu	Val	Met		
	370					375					380						
Val	Asp	Ala	Leu	Val	Ser	Asn	Lys	Pro	Glu	Phe	Val	Arg	Leu	Phe	Val		
385					390					395					400		
Asp	Asn	Gly	Ala	Asp	Val	Ala	Asp	Phe	Leu	Thr	Tyr	Gly	Arg	Leu	Gln		
			405					410					415				
Glu	Leu	Tyr	Arg	Ser	Val	Ser	Arg	Lys	Ser	Leu	Leu	Phe	Asp	Leu	Leu		
		420						425					430				
Gln	Arg	Lys	Gln	Glu	Glu	Ala	Arg	Leu	Thr	Leu	Ala	Gly	Leu	Gly	Thr		
	435						440					445					
Gln	Gln	Ala	Arg	Glu	Pro	Pro	Ala	Gly	Pro	Pro	Ala	Phe	Ser	Leu	His		
	450					455					460						
Glu	Val	Ser	Arg	Val	Leu	Lys	Asp	Phe	Leu	Gln	Asp	Ala	Cys	Arg	Gly		
465					470					475					480		
Phe	Tyr	Gln	Asp	Gly	Arg	Pro	Gly	Asp	Arg	Arg	Arg	Ala	Glu	Lys	Gly		
				485					490					495			
Pro	Ala	Lys	Arg	Pro	Thr	Gly	Gln	Lys	Trp	Leu	Leu	Asp	Leu	Asn	Gln		
		500						505					510				
Lys	Ser	Glu	Asn	Pro	Trp	Arg	Asp	Leu	Phe	Leu	Trp	Ala	Val	Leu	Gln		
	515						520					525					

Asn Arg His Glu Met Ala Thr Tyr Phe Trp Ala Met Gly Gln Glu Gly  
 530 535 540  
 Val Ala Ala Ala Leu Ala Ala Cys Lys Ile Leu Lys Glu Met Ser His  
 545 550 555 560  
 Leu Glu Thr Glu Ala Glu Ala Ala Arg Ala Thr Arg Glu Ala Lys Tyr  
 565 570 575  
 Glu Arg Leu Ala Leu Asp Leu Phe Ser Glu Cys Tyr Ser Asn Ser Glu  
 580 585 590  
 Ala Arg Ala Phe Ala Leu Leu Val Arg Arg Asn Arg Cys Trp Ser Lys  
 595 600 605  
 Thr Thr Cys Leu His Leu Ala Thr Glu Ala Asp Ala Lys Ala Phe Phe  
 610 615 620  
 Ala His Asp Gly Val Gln Ala Phe Leu Thr Arg Ile Trp Trp Gly Asp  
 625 630 635 640  
 Met Ala Ala Gly Thr Pro Ile Leu Arg Leu Leu Gly Ala Phe Leu Cys  
 645 650 655  
 Phe Ala Leu Val Tyr Thr Asn Leu Ile Thr Phe Ser Glu Glu Ala Pro  
 660 665 670  
 Leu Arg Thr Gly Leu Glu Asp Leu Gln Asp Leu Asp Ser Leu Asp Thr  
 675 680 685  
 Glu Lys Ser Pro Leu Tyr Gly Leu Gln Ser Arg Val Glu Glu Leu Val  
 690 695 700  
 Glu Ala Pro Arg Ala Gln Gly Asp Arg Gly Pro Arg Ala Val Phe Leu  
 705 710 715 720  
 Leu Thr Arg Trp Arg Lys Phe Trp Gly Ala Pro Val Thr Val Phe Leu  
 725 730 735  
 Gly Asn Val Val Met Tyr Phe Ala Phe Leu Phe Leu Phe Thr Tyr Val  
 740 745 750  
 Leu Leu Val Asp Phe Arg Pro Pro Gln Gly Pro Ser Gly Pro Glu  
 755 760 765  
 Val Thr Leu Tyr Phe Trp Val Phe Thr Leu Val Leu Glu Glu Ile Arg  
 770 775 780  
 Gln Gly Phe Phe Thr Asp Glu Asp Thr His Leu Val Lys Lys Phe Thr  
 785 790 795 800  
 Leu Tyr Val Gly Asp Asn Trp Asn Lys Cys Asp Met Val Ala Ile Phe  
 805 810 815  
 Leu Phe Ile Val Gly Val Thr Cys Arg Met Leu Pro Ser Ala Phe Glu  
 820 825 830  
 Ala Gly Arg Thr Val Leu Ala Met Asp Phe Met Val Phe Thr Leu Arg  
 835 840 845  
 Leu Ile His Ile Phe Ala Ile His Lys Gln Leu Gly Pro Lys Ile Ile  
 850 855 860  
 Val Val Glu Arg Met Met Lys Asp Val Phe Phe Phe Leu Phe Phe Leu  
 865 870 875 880  
 Ser Val Trp Leu Val Ala Tyr Gly Val Thr Thr Gln Ala Leu Leu His  
 885 890 895  
 Pro His Asp Gly Arg Leu Glu Trp Ile Phe Arg Arg Val Leu Tyr Arg  
 900 905 910  
 Pro Tyr Leu Gln Ile Phe Gly Gln Ile Pro Leu Asp Glu Ile Asp Glu  
 915 920 925  
 Ala Arg Val Asn Cys Ser Thr His Pro Leu Leu Leu Glu Asp Ser Pro  
 930 935 940  
 Ser Cys Pro Ser Leu Tyr Ala Asn Trp Leu Val Ile Leu Leu Leu Val  
 945 950 955 960  
 Thr Phe Leu Leu Val Thr Asn Val Leu Leu Met Asn Leu Leu Ile Ala  
 965 970 975  
 Met Phe Ser Tyr Thr Phe Gln Val Val Gln Gly Asn Ala Thr Met Phe



980                      985                      990  
 Trp Lys Phe Gln Arg Tyr Asn Leu Ile Val Glu Tyr His Glu Arg Pro  
           995                      1000                      1005  
 Ala Leu Ala Pro Pro Phe Ile Leu Leu Ser His Leu Ser Leu Thr Leu  
           1010                      1015                      1020  
 Arg Arg Val Phe Lys Lys Glu Ala Glu His Lys Arg Glu His Leu Glu  
 1025                      1030                      1035                      1040  
 Arg Asp Leu Pro Asp Pro Leu Asp Gln Lys Val Val Thr Trp Glu Thr  
                                  1045                      1050                      1055  
 Val Gln Lys Glu Asn Phe Leu Ser Lys Met Glu Lys Arg Arg Arg Asp  
                                  1060                      1065                      1070  
 Ser Glu Gly Glu Val Leu Arg Lys Thr Ala His Arg Val Asp Phe Ile  
                                  1075                      1080                      1085  
 Ala Lys Tyr Leu Gly Gly Leu Arg Glu Gln Glu Lys Arg Ile Lys Cys  
                                  1090                      1095                      1100  
 Leu Glu Ser Gln Ile Asn Tyr Cys Ser Val Leu Val Ser Ser Val Ala  
 1105                      1110                      1115                      1120  
 Asp Val Leu Ala Gln Gly Gly Gly Pro Arg Ser Ser Gln His Cys Gly  
                                  1125                      1130                      1135  
 Glu Gly Ser Gln Leu Val Ala Ala Asp His Arg Gly Gly Ile Asp Gly  
                                  1140                      1145                      1150  
 Trp Glu Gln Pro Gly Ala Gly Gln Pro Pro Ser Asp Thr  
                                  1155                      1160                      1165

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